Friday, 9/14/2007 2:01:52 PM

User:

Kim Johnston

Process Sheet

Customer Job Number : CU-DAR001 Dart Helicopters Services

Drawing Name

: X-TUBE EXTRUSION OH-58

Estimate Number

: 34686

: 10005

P.O. Number

: 9/14/2007 S.O. No. : Part Number

: D6005128

This Issue

Drawing Number

: D6005 REV A

Prsht Rev.

: NC : 11

: LANDING GEAR

Project Number

: N/A

First Issue : 29110 Previous Run

Type

Drawing Revision

: A

Material

: 1/30/2008 **Due Date**

Qty:

13 Um:

Each

Written By Checked & Approved By

Comment

: Est Rev:C 04.06.15 Added tolerance to Step 2 KJ/JLM

Additional Product



Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0



PURCHASING



Comment: PURCHASING

Issue P/O: 46 11 a) Order as per Dwg D6005

CL07/09/18



b) Material: 2.750 x 0.375 wall 7075-T6/T6511 (WW-T-700/7 or QQ-A-225/9 or QQ-A-200/11) seamless

aluminum tube

c) Minimum ultimate tensile strength = 77 ksi

d) Minimum tensile yield strength = 66 ksi

e) Tolerance are per ASTM B210 (see details on Dwg D6005)

f) Material certification required

2.0

D6005128P

Crosstube material



Comment: Qtv.:

1.0000 Each(s)/Unit

Total:

13.0000 Each(s)

Crosstube material

3.0

PACKAGING 1

PACKAGING RESOURCE #1







Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

4.0

QC6





Ensure Material certification comply to Dwg D6005

Dart Aerospace Ltd

W/O:		WORK ORDER CH	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
₁							
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A: <u></u>	_ Date:△	2/03/13

QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)													
		Description of NC		Corrective Action Section B	Verification										
DATE	STEP	Section A	Initial Chief Eng				Approval Chief Eng	Approval QC Inspecto							
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NOTE: Date & initial all entries

Date: Friday, 9/14/2007 2:01:52 PM User: Kim Johnston **Process Sheet** Drawing Name: X-TUBE EXTRUSION OH-58 Customer: CU-DAR001 Dart Helicopters Services Part Number: D6005128 Job Number: 34686 Job Number: Description: Seq. #: Machine Or Operation: HAND FINISHING RESOURCE #1 5.0 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 INSPECT POWDER COAT/CHEN ICAL CONVERSION QC3 6.0 Comment: INSPECT POWDER COAT/CHEMICAL COMVERSION PACKAGING RESOURCE #1 PACKAGING 1 7.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: LG FINAL INSPECTIONW/O RELEASE 8.0 QC21 8/18/186 Comment: FINAL INSPECTION/W/O RELEASE 2008/3 Job Completion

Dart Aerospace Ltd

W/O:		WORK ORDER (WORK ORDER CHANGES												
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector								
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Part No	•	PAR #: Fault Category:	NCR: Yes	No DQ	A :	_ Date: _	·								
			QA:	N/C Close	d:	Date:	· · · · · · · · · · · · · · · · · · ·								

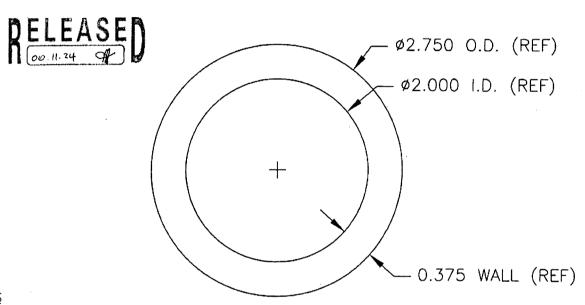
NCR:			WORK ORDER NON-CONFORMANCE (NCR)													
DATE		Description of NC		Corrective Action Section 6	Varification											
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector								
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NOTE: Date & initial all entries



	DESIGN	DRAWN BY	DART AEROSPACE LI HAWKESBURY, ONTARIO, CANADA	ΓD
١	CHECKED	APPROVED	DRAWING NO.	REV. A
	At .	1	D6005 SH	HEET 1 OF 1
ı	DATE		TITLE	SCALE
	00.11.17		CROSSTUBE MATERIAL	1:1
	Α	00.11.17	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NOTES

1) D6005-XXX CROSSTUBE LENGTH

WHERE XXX IS LENGTH IN INCHES EG. 128" LONG TUBE: D6005-128

2) MATERIAL: 2.750 OD x 0.375 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi

MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: ± 0.006 MEAN (±0.012 INCLUDING OVALITY)

WALL: ±0.015 MEAN (±0.038 INCLUDING ECCENTRICITY)

XXX + 0.125/-0.000

LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

SHOP COPY RETURN TO ENGINEERING

STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBEON TRAINED. OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH ASSISTED TO AMEND SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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Customer

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Other Tests Passed

No. C/151906/1

DART AEROSPACE LIMITED 1270 ABERDEEN STREET HAWKESBURY ONTARIO CANADA K6A 1K7						Your Part Our Order Packing N Date Packages	r No lote No	D6005 94945 15190 31/01/ 1 CAS	/3)6 (08											
Size / Description SEAMLESS DRAWN TUBE 2.75 INS O/D .375 INS WT 7075 Alloy Length - 128.11 inches					Specificat 7075 WW-T-70	T6	(· · · · · · · · · · · · · · · · · · ·			,								
	Nett			Tensil	e Test							(Chemical	Analysis %		Н				
No of Pieces	Weight Lbs	t	Test No	0.2% Proof Stress KSI	Tensile Strength KSI	% Elongation 2in		Heat or Cast No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Zr		Ti	cc/ 100 gm
13	474		332608 LO	66.6	78.8 C) 15		2N319	.08	.27	1.40	.04	2.39	.22	.01	5.73	.01		.02	.01
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PO00004611

Your Order No

Remarks

ALLOY MELTED IN THE UNITED KINGDOM

Authorised Inspection Representative

Mr Terry Layton - For and on behalf of Alunna Tu

not contain banned or relevant substances.

Mercury Free.

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